

EXECUTIVE SUMMARY

Prepared January 3, 1991

Mine Name: Utelite Mine
Operator: Utelite Corporation
P. O. Box 387
Coalville, Utah 84017

Telephone: 801- 359-8541

Contact Person: Carsten Mortensen

Life of Mine: 30-50 years

Legal Description: Township 1 South, Range 5 East, Sections 5 and 8

Mineral(s) to be Mined: "Mancos" shale (processed into expanded lightweight rock aggregate product).

Mining Methods: Open pit using dozers with rippers and wheel loaders.

Acres to be Disturbed: Total disturbance 48.7 acres.

Present Land Use: Mining, landfill

Postmining Land Use: Landfill, grazing

Variances from Reclamation Standards (Rule R613) Granted: R613-004-111 (5) Landuse; and R613-004-111 (7) Highwalls

Soils and Geology:

Soil Description: Relatively thin rocky topsoil. @150,000 cubic yards topsoil and subsoil to be stripped.

pH: 6.6 to 8.0

Special Handling Problems: None

Geology Description: This 200 foot "Manch~~os~~" shale deposit strikes southwest with a dip ranging from 40 to 65 degrees northwest.

Hydrology:

Ground Water Description: The "Manch~~os~~" shale is relatively impervious although a minor amount of groundwater does seep into the pit from the footwall from time to time. This does not create any operational problems.

Surface Water Description: Three Mile Creek traverses the property. The small creek is immediately adjacent to the operations and drains toward Rockport Reservoir.

Water Monitoring Plan: None required.

Ecology:

Vegetation Type(s); Dominant Species: Bluebunch wheatgrass; Smooth Brome Grass, Indian Ricegrass, Sagebrush and Oak.

Percent Surrounding Vegetative Cover: @30%

Wildlife Concerns: None

Surface Facilities: Office, warehouse/maintenance buildings, processing plant, covered processed ore storage building, raw ore stockpiles, etc.

Mining and Reclamation Plan Summary:

During Operations:

Shale will be mined with a dozer and conveyed to the kilns where it is processed into rock aggregate. Stripped overburden will be recontoured and seeded with

native vegetative species. The stream channel on site will be riprapped and seeded as necessary to control erosion.

Following Operations:

The pit, access road, and usable buildings are proposed for use as a Summit County landfill when the site is completely mined out. Unusable plant facilities will be removed or buried on site. The fill material will be layed back out of the stream channel, recontoured and the adjacent road moved further up slope. All areas not used for the landfill will be ripped and seeded.

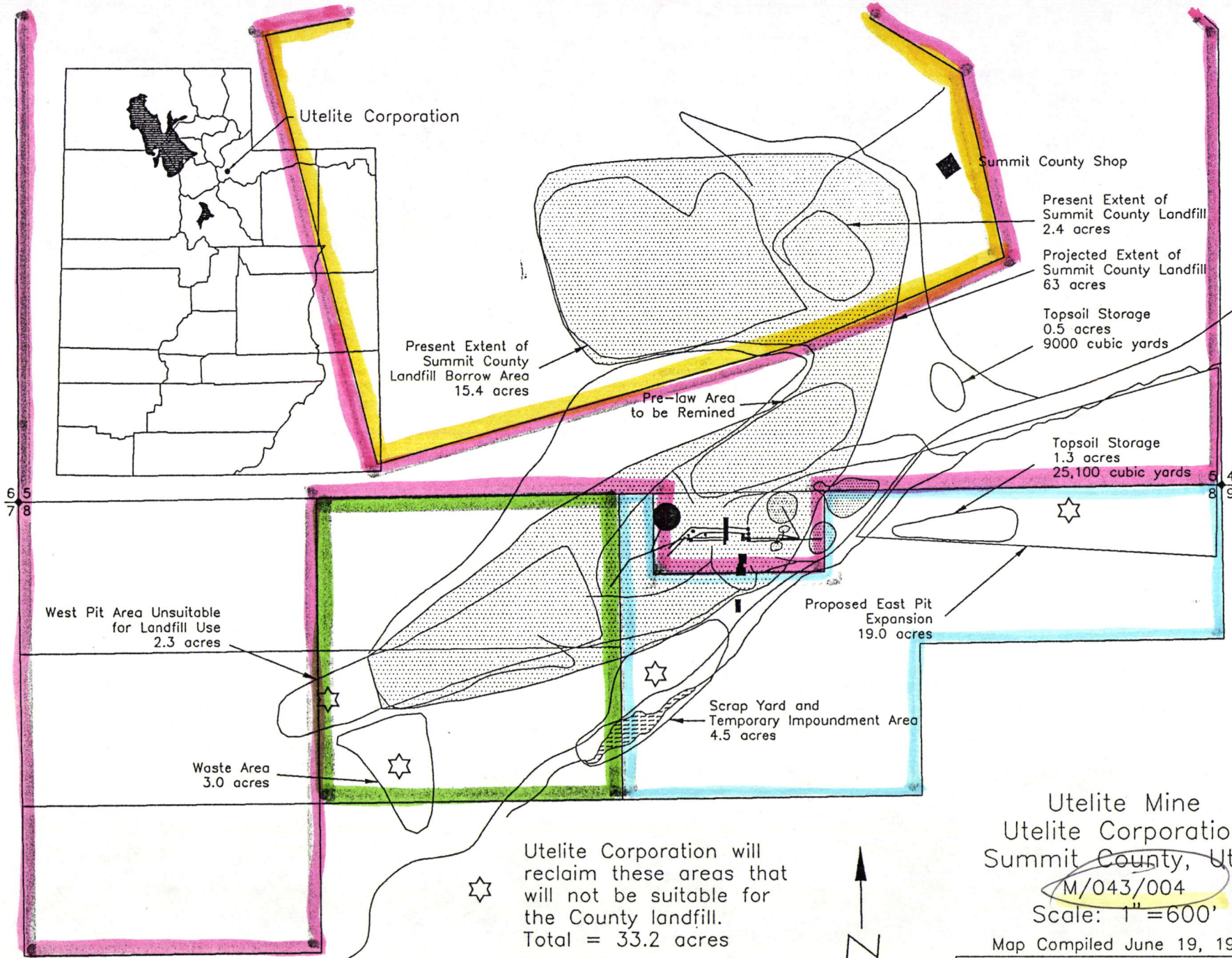
Surety:

Amount: \$101,800 (1994 dollars)

Form: Self Bond

Renewable Term: 5 years

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- Utelite Corporation
- Summit County
- Brown, Ercanbrack and Stembridge
- Brown, Ercanbrack, Gibbons, Stembridge and Walsh

Utelite Mine
Utelite Corporation
Summit County, Utah
M/043/004
Scale: 1"=600'

Map Compiled June 19, 1989



State of Utah
Natural Resources
Oil, Gas and Mining